THE PRINCIPLES OF BACTERIOLOGY: A Practical Manual for Students and Physicians. By A. C. ABBOTT, M.D., Professor of Hygiene and Bacteriology, University of Pennsylvania. New (sixth) edition, revised and enlarged. 12mo; 636 pages, with 111 illustrations. Philadelphia and New York: Lea Brothers & Co., 1902.

This volume is of moderate size, and forms a concise and practical manual of bacteriology which well meets the needs of the student and the general practitioner. That it has found favor is evidenced by the fact that it has passed through six editions in ten years, enabling the author to revise and add to the work at short intervals, thus following closely the chief advances made in bacteriological research.

The first portion of the work deals with a general discussion and description of the bacteria, methods of sterilization, the preparation of nutrient culture media, the technique of making cultures and staining, and the inoculation of animals with their post-mortem bacteriological examination. The second portion describes the more important species of bacteria, discusses infection and immunity, and gives the methods of testing disinfectants and antiseptics, of performing experiments in skin disinfection, etc.

The new matter added to the present edition includes descriptions of the organisms concerned in the causation of epidemic cerebrospinal meningitis and dysentery. There is also presented a summary of the so-called "acid-proof" bacilli, which in their staining peculiarities and their morphology are in many instances so much like the bacillus tuberculosis as to cause them to be mistaken for the latter. The differential diagnosis of these forms is detailed. A description of the pathogenic streptothrices is included in this edition. The excellent chapter on infection and immunity has been brought well up to date, presenting the most recent views and theories of the prominent observers upon this interesting subject.

Altogether, this work covers the subject of practical bacteriology in a clear and systematic manner, and as completely as

could be expected in a work designed to be kept within the limits of a convenient hand-book.

RICHARD W. WESTBROOK.

A TEXT-BOOK OF PRACTICAL THERAPEUTICS. By HOBART AMORY HARE, M.D. New (ninth) edition. Philadelphia and New York: Lea Brothers & Co., 1902.

The impression received from a somewhat careful perusal of this latest edition of "Practical Therapeutics" is that the author has compressed within the limits of one octavo volume, of over 800 pages, a vast amount of useful information, thoroughly in touch with modern requirements, and so arranged as to be easily available.

It appears to embody all of the essentials to be found in the author's more ambitious publication upon the same subject, with very few, if any, of its disadvantages. The subjects treated are admirably condensed without any appreciable loss, and in numerous instances many pages of tedious descriptive writing are replaced by suitable illustrations, giving at a glance a comprehensive understanding of many of the more technical therapeutic procedures. In this particular it is especially useful to students. Among the subjects so treated are: gavage, lavage, leeching, cupping, use of the hypodermatic syringe, and the various methods of applying cold water as a remedial agent. By the same means valuable hints are also made concerning the methods employed in the application of hypodermoclysis, the hot-air bath, intravenous injection of saline solution, and lung expansion or pulmonary gymnastics. The history of antitoxin, its dosage and method of administration, are all clearly outlined. In fact, useful data upon a large variety of subjects, formerly widely scattered, are here to be found in addition to a treatise upon drugs, feeding of the sick, and an alphabetical list of diseases, with brief accounts of each and the therapeutic measures employed for their relief. It is a book which we can highly recommend.

FRANK WHITFIELD SHAW.